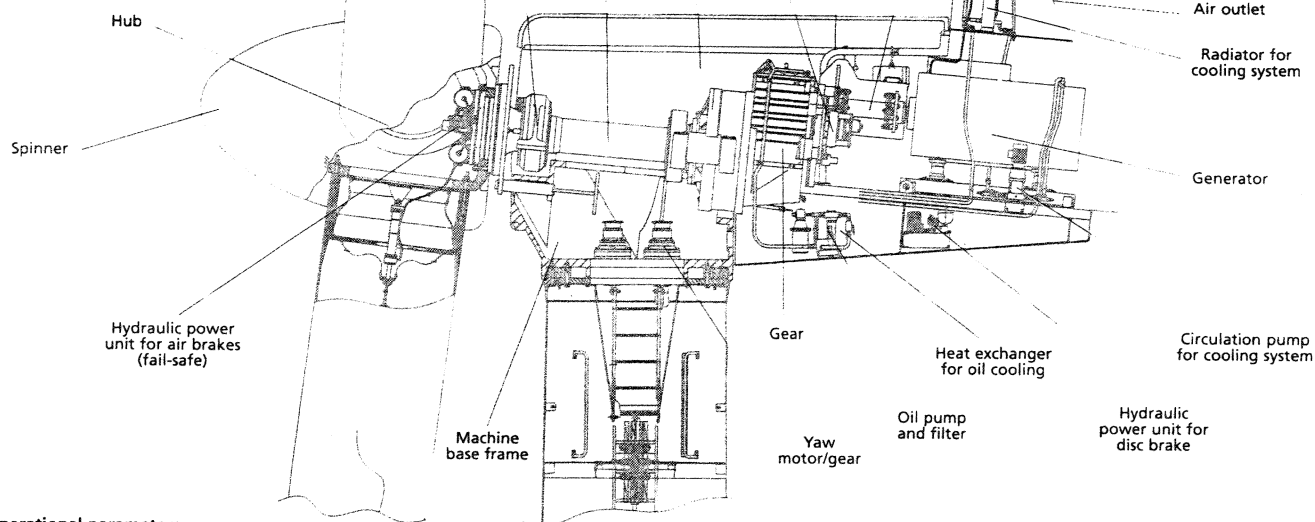


Technical specifications: NM 900/52



Operational parameters

Nominal output	900 kW	
Power regulation	Stall	
Nominal wind speed	35.8 mph	16 m/s
Cut-in	7.8 mph	3.5 m/s
Cut-out	55.9 mph	25 m/s

Rotor

Rotor diameter	171 ft	52.2 m
Rotor swept area	23,035 sq. ft	2,140 m ²
Number of blades	3	
Rotor revolutions	22/15 rpm	
Rotor placing	Upwind rotor	

Brake system

Blade tip air brake	Hydraulic, fail-safe
Disc brake	1 pcs. hydraulic, fail-safe

Drive train

Gear type	Planetary - parallel axle
Ratio	1:81.0 (1:67.5 on 50 Hz model)
Main shaft	Forged shaft and flange
Main bearing	Spherical roller bearing
Cooling	Heat exchanger with pump

Generator

Type	Asynchronous, 4-6 pole
Nominal voltage	600 V (690 V on 50 Hz model)
Nominal frequency	60 Hz (50 Hz model also available)
Name plate rating	900/200 kW
Cooling	Liquid-cooled with pump

Yaw system

Type	Sliding bearing
Drive mechanism	3 electrical planetary gears

Tower

Type	Conical, steel, painted
Hub height	In accordance with approvals

Controller

Type	Computer controlling
Cut-in system	Soft by thyristors
Phase compensation	Generator no load
Remote control	By modem

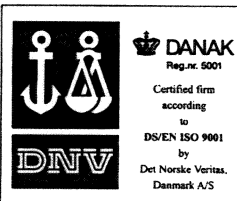
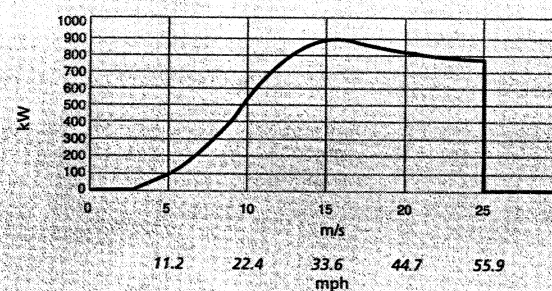
Sensors

RPM sensors	Rotor, generator, yaw system
Temperature sensors	Gear, generator, controller, ambient
Vibration sensor	Nacelle, rotor
Meteorology	Anemometer, wind vanes
Hydraulic systems	Pressure transducers

Lightning protection

According to standard	IEC 1024 class 1
Blades	Receptor in the blade tips
Nacelle	Air rod

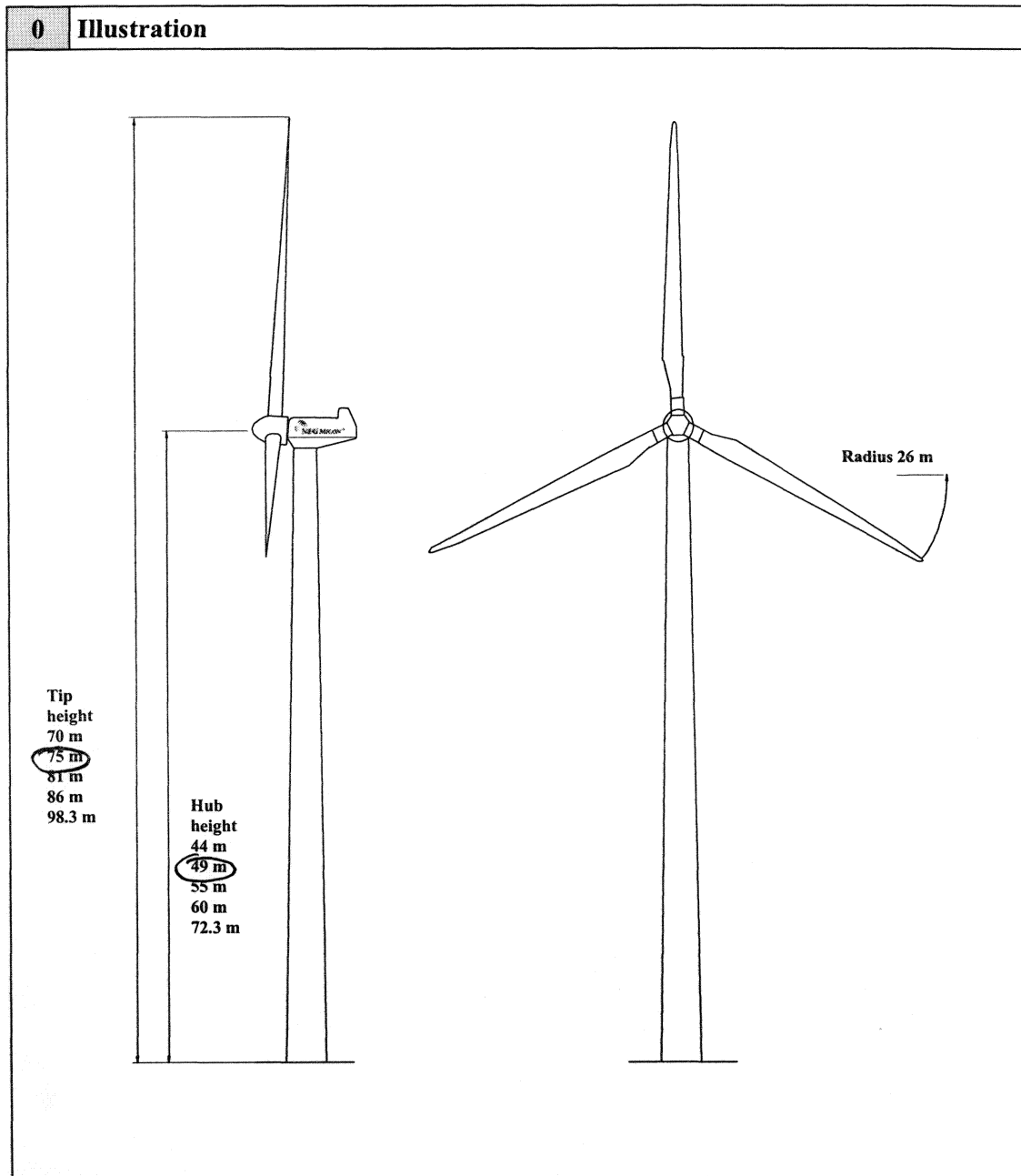
Power curve



Please note that the power curve has been noted at standard atmospheric density according to DIN ISO 2533.

Please note that the rotor and the hub heights have been approved for specific markets and wind classes – please call for further information.

NEG Micon A/S reserves the right to change specifications and to use components of alternative manufacture without prior notice. Alternative components will be of the same high quality and standard as in this survey



1 Main Data		
Nominal Power	900	kW
Rotor diameter	52	m
Swept area	2140	m ²
Hub height	44, 49, 55	m
Rotational speed approx.	22.4/14.9	rpm